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(71) Applicants (for all designated States except US): KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). W.C. HERAEUS GMBH & CO. KG [DE/DE]; Heraeusstrasse 12-14, 63450 Hanau (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MOLL, Rainer [AT/AT]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). RABE, Michael [AT/DE]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: WEBER, Helmut; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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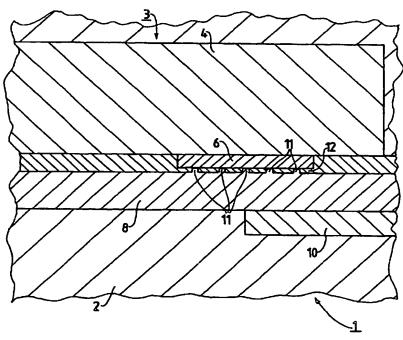
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(54) Title: MODULE FOR A DATA CARRIER WITH IMPROVED BUMP COUNTERPARTS



(57) Abstract: In a data carrier (1), or a module (3) for such a data carrier (1), the module (3) has an integrated component (4) with at least two projecting connection contacts (5, 6) and, for each connection contact (5, 6), a connecting part (7, 8) which is electrically conductively connected thereto, the connecting parts (7, 8) consisting of metal, being constructed so as to be plate-shaped, and including remnants (11) of raised portions which have been formed by mechanical deformation of the connecting parts (7, 8).



CLASSIFICATION OF SUBJECT MATTER PC 7 G06K19/077 H01L23/485 A. CLASS According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 GO6K H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with Indication, where appropriate, of the relevant passages Category ° 1,7 US 6 297 562 B1 (TILLY LARS) X 2 October 2001 (2001-10-02) column 6, line 27 -column 7, line 10; figures 2,6-9 1,7 DE 198 31 565 C (MUEHLBAUER AG) X 28 October 1999 (1999-10-28) column 6, line 40 -column 7, line 14; figures 3,4 1.7 US 6 365 967 B1 (HEMBREE DAVID ET AL) X 2 April 2002 (2002-04-02) column 3, line 63 -column 4, line 15; figures 1,3 1,7 US 5 483 741 A (WOOD ALAN G ET AL) Α 16 January 1996 (1996-01-16) figures 5,15 Patent family members are listed in annex. Further documents are listed in the continuation of box C. X Special categories of cited documents: T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the \*A\* document defining the general state of the art which is not considered to be of particular relevance invention "X" document of particular relevance; the claimed invention \*E\* earlier document but published on or after the International cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docucitation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled document published prior to the International filing date but later than the priority date claimed in the art. "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 25/07/2003 14 July 2003 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Schauler, M

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